



SWARC NEWS

Notes from KK4BK

Rambling thoughts this month:

Last year – no the one before the pandemic, there was talk of a picnic with JARS, RARS and SWARC. Well – that never happened. Not because folks did not want it to happen, but you know why. Its gonna happen. 5/15 @ the farm of Vance Lee. It will be from 11 – 3. Please sign up at the JARS website to let them know how many are going to be there and what you are bringing. They don't want 500 lbs of potato salad.

<https://www.jars.net/jars-picnic-5-15-2021/>

Then, the next Saturday (5/22) for you ambitious folks, there are to events. There is a SwapFest happening in the back parking lot at the Golden Corral in Raleigh. It will start at 8 and run till noon. Free to setup, free to attend, buying getting something “New to You” - well that aint free. Contact KA0GMY with any questions you have.

You can also help with the Cup-n-Cone Tour in Cary. They are in need of SAGS and Rest Stop people. This is to support the MS Society. Contact KA9QJT, Brian Young. He is good on QRZ.

June elections for the club. Thanks to all who answered the call of the Election Committee.

June is also SWARC Membership month. \$30 for full voting membership. \$5 each additional family member.

SWARC de KK4BK

SWARC VP Musings – K7RLH

As you may have heard, I have allowed my name to be placed in nomination for president of the club. However, I would welcome competition if someone else steps up and wants to serve in the leadership of the club.

This past year has been challenging for me and Brian, what with COVID-19 plaguing us for the entire time. Many thanks to Brian for hosting the monthly Zoom meetings and the pre-net meetings on Wednesday evenings. For the last two or three months we have held hybrid meetings with some folks in attendance at the American Legion and many joining us by Zoom. Going forward, we may be in this mode until at least July, and I promise not to have the technical problems that affected the quality of our last presentation. I take full blame for the 'operator error' and apologize to one and all that we could not see the slides better.

Regardless of the election outcome, the current and future leadership of the club solicits your input regarding programs, VE testing, Field Day and anything else that comes to mind. We have many talented members, and we need to spread the 'wealth' among some of our newest members and fellow hams.

73,

Richard – K7RLH

Meeting Notes

SWARC 3 May 2021 Meeting Minutes

The meeting was called to order at 7:00 pm sharp by President Brian Knox, KK4BK. We ran a hybrid meeting, thanks in part to Richard's efforts, allowing a portion of the attendees to participate via Zoom while others were 'in person' at the Legion hall. The club will continue to run hybrid meetings until July at which point the new president will decide future meeting formats.

As customary Bernie led the Pledge of Allegiance with the group. Our Zoom and in person synchronization wasn't as good this meeting – you'd think we'd have it down by now. Oh well, if that's the worst of our problems then we're doing all right.

We had good attendance with 20 attendees present during the course of the meeting including:

Richard Hall (K7RLH), Brian Knox (KK4BK), Bill Blomgren (KK4QDZ), Andy McDaniel (KN4JJU), Al Crawford (WA4TCJ), Linda Crawford (KI4LO), Steve Mowels (KA0GMY), Ron Cooney from Texas (K4AAA), Bernie Jones (N4BAJ), Sandy Gerli (AC1Y), Mike Gaither (K4MWG), Stephen Suzanne (WB4SMS), Matt Wingfield (N4MRW), Dave Yow (K4MSE), Manny Garcia (KB4NC), Ken Bigley (KO4DHJ), Federico Lluberes (KK4HAQ), Dave Krum (NW3U), Gary Plante (KO4LQX), and Kenny Southern (KJ4CVK).

Financial Report:

No treasurer's report was available for the May meeting. But for those interested the April meeting notes reported the following: *As of 4/1/2021 the club has a balance of \$1,312.41. Treasurer Christy reminded members that she makes a trip to the bank at least once per month. So please keep that in mind as you review your bank statements for cleared checks.*

New Business:

ARRL Field Day is fast approaching – June 26th and 27th. Regardless if you want to operate a station we want everyone to come out to the Legion and enjoy some good outdoor fellowship. Also bring some cash because Miss Penny will

be taking donations for hungry kids and selling her world-famous spicy ginger snap cookies. The pandemic has been challenging for some families and your donation is greatly appreciated. A \$1 donation can be leveraged to provide ten meals for kids, so your money goes a long way! KA0GMY motioned that the club donate \$150 for the kids and the motion was seconded by K4MWG. The motion passed unanimously.

The Legion plans to build a memorial out front of Building #2 and clearing has begun. Plans for this memorial have been in the works for over seven years with a goal of completing the memorial by June 2022. K0GMY motioned that the club donate \$200 to the Legion's Monument Fund and the motion passed unanimously.

Old Business:

There are a number of upcoming public service opportunities if you'd like to volunteer including the 2021 Cup 'n Cone Tour on May 22nd in Cary. This 25 and 50 mile bike event benefits the National MS Society. Additional volunteer opportunities are coming up in July and August. If you're interested please contact Jeremy at K2HJX@att.net or visit <https://www.rars.org/public-service.php> for more information.

Elections are coming up in June! An election committee has been formed to recruit members willing to step up to leadership positions. It's not too late, if you're interested in being a club officer please let Steve (KA0GMY), Gator (K4MWG) or Steve (WB4SMS) know.

Mark your calendars! The **SWARC SwapFest is scheduled for Saturday May 22nd from 8am until noon**. The SwapFest will be held at our traditional Saturday breakfast spot – the Golden Corral located at 3551 Grenelle St which has a Raleigh address if you plug it into your GPS. We'll be set up in the back parking lot. Best of all the cost to participate is FREE! Please contact Steve at ka0gmy@bellsouth.net if you have any questions.

SWARC is getting back into the raffle business after a hiatus during the pandemic. We're shooting for a Christmas raffle drawing. Gator has very generously offered to donate to the raffle a never used, still in the box, still wrapped in plastic Yeasu FTM 7250 DR radio. Also, Brian is generously donating a new 2021 ARRL Handbook. Thanks to these very fine gentlemen for their generous donations to support the club! Raffle tickets will be

available for purchase at the May SwapFest and at future meetings and events.

Main Event Presentation – “DX Engineering Presents: Grounding & Bonding” by Tim Duffy (K3LR) with credit to Ward Silver (N0AX)

The evening’s presentation was by the CEO of DX Engineering, Tim Duffy, on grounding and bonding. Tim’s goals for the presentation was for everyone to understand:

- What the terms grounding and bonding refer to
- Appreciate the different requirements for AC safety, lightning protection, RF, and audio quality.
- Illustrate some techniques.
- Show how a systems approach works, and
- Provide a listing of more comprehensive resources.

Tim made a point of noting that the ARRL publication entitled Grounding and Bonding for the Radio Amateur by H. Ward Silver (N0AX) is an excellent resource. Tim’s presentation was very thought provoking, and it spurred a robust Q&A session afterwards.

Some of the techniques Tim discussed in his presentation have been implemented in the club’s radio shack, so if you’re interested in using the shack (it’s a membership benefit after all) please don’t hesitate to contact Richard.

Thank you, Tim, for a very informative presentation and we hope to have you back for another presentation in the new future.

Brian concluded the meeting at 8:00 pm.

73

Andy McDaniel – KN4JJU - Secretary

South Wake Amateur Radio Club

Treasurer Report January 2021

South Wake Amateur Radio Club Treasurer Report April 2021

Club Addition and Reduction Activity

Additions

Dues	40.00	cash	John Daniel (KM4YLF)
Dues	30.00	cash	Kelly Padgett (KO4LRH)
Dues	37.50	ck# 1488	Greg Tarpley (KG4OST)
Dues	30.00	ck# 136	Kenneth Yaw (KN7AW)

137.50

Reductions

Donation	150.00	ck# 1699	Penny Krum (No Kids Left Behind Bake Sale)
Monument Fund	200.00	ck# 1700	American Legion Post 116
PNC Bank	22.00	fee	service fee

Total Reductions 372.00

Bank Account Activity

Balance as of 04/05/2021	1312.41		
Addition	137.50		
Reduction	372.00		

Balance as of 05/04/2021 1077.91

Christine Fernandini KJ4AEO 05/04/2021

MEMBERSHIP

Just a reminder that it is that time again to pay membership dues.

\$30 for individual and \$5 for each family member.

You can bring a check or cash to the next meeting or mail them to the club PO box and Christy will let me know she has received them so I can update the list. If you mail them, give me a heads up so I can mark it as pending on the roster.

Makes checks payable to South Wake ARC.

If you are going to mail it, send it to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526

I will be developing an online form so new members can fill out the application online and mail or bring a check to a meeting.

I will be reaching out to all members here soon to make sure I have the latest contact information, addresses, etc so I can make sure the membership list reflects current information.

Thanks

Ryan Avery

NC4RA

rwavery@charter.net

NET REPORT

Hi to the SWARC Group

Personally – I think Bill and Bernie are ca-hooting with regard to who is gonna lead the month checkin's. Just my Opinion

There were 71 callsigns that checked into the South Wake ARC Nightly net one-time last month. When they make it up to 2 – they make the list.

Call Sign	Count	Call Sign	Count	Call Sign	Count	Net Date	Count
KK4QDZ	23	KK4BVU	9	KN4PTL	4	01-Apr-21	15
KO4MSN	19	KK4BK	9	KO4LRH	4	02-Apr-21	16
K7RLH	19	AJ4NX	8	KT4JR	4	03-Apr-21	16
N4BAJ	18	KJ4CVK	7	KE4RUN	3	04-Apr-21	15
KN4OEY	15	W4KXP	7	KG4BBS	3	05-Apr-21	12
WA4TCJ	14	KI4RAN	6	WA2PIX	3	06-Apr-21	17
KM4IJK	12	KO4LOX	6	KO4LZZ	3	07-Apr-21	22
KB4NC	12	KG4JOK	6	KO4RDR	3	08-Apr-21	9
KE5OLM	11	AD5ZB	5	KN4GUS	2	10-Apr-21	16
KA4RDR	11	KA0GMY	5	KN4GDU	2	11-Apr-21	14
KI4WAI	11	N4NCK	5	KM4JLA	2	12-Apr-21	17
N4MRW	10	AC1Y	5	KN4RFT	2	14-Apr-21	22
KJ4WLG	10	WB4UFO	4	N4UHI	2	15-Apr-21	14
WA3JJG	10	WB4SMS	4	WA4KXP	2	17-Apr-21	20
KO4FUD	10	NG1E	4	KM4ARS	2	18-Apr-21	14
KO4LQX	10	KI4LO	4	KD4MC	2	19-Apr-21	15
				KJ4QNW	2	20-Apr-21	20
				KO4RLH	2	21-Apr-21	16
						22-Apr-21	16
						23-Apr-21	18
						24-Apr-21	19
						25-Apr-21	8
						26-Apr-21	22
						27-Apr-21	19
						28-Apr-21	18
						29-Apr-21	19

Public Service

Check the RARS web site often for Public Service opportunities.

BOARD OF DIRECTORS

Appointed Positions

President

Brian Knox – KK4BK

Vice President

Richard Hall – K7RLH

Secretary

Andy McDaniel – KN4JJU

Treasurer

Christy Fernandini - KJ4AEO

NET MANAGER

Kenny – KJ4CVK

Special Events Director

Public Service Director

Member-At-Large Al Crawford – WA4TCJ

Member-At-Large Bernie Jones – N4BAJ

Member-At-Large Mike Gaither – K4MWG

Membership Chair Ryan Avery – NC4RA

SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

LINKS (if you have other links you want added then send them to me)

PRN

A Wide Area Digital Amateur Radio Network www.ncprn.net

GigaParts www.gigaparts.com

QRZ www.qrz.com

Ham Radio Outlet HRO www.hamradio.com

Raleigh Amateur Radio Society RARS www.rars.org

Johnson Amateur Radio Society JARS www.jars.net

South Wake Amateur Radio Club SWARC www.southwakearc.com

Big Bend ARC <https://www.bigbendarc.com>

There are events going on all the time: you got Islands on the Air (IOTA), and then there is working Light Houses, don't forget all the special events there is something new each week. Here is one for you

Mark, N4MQU is always setting up and working from different locations or likes to run different nets as the net control. See how many times you can work Mark in his different rolls during the week. If nothing else take your radio to the backyard and work some stations.

Just have fun.

ATTENTION

Hearing lots of new call signs in the nightly nets, and during the day.
Please engage with them, make them feel welcome, and help them with their newfound hobby or skill set.

ARRL News

Intrepid-DX Group Adds a Second Physician to Bouvet Island DXpedition Team

05/04/2021

“Bouvet is like the Mount Everest of DXCC entities,” 3Y0J DXpedition co-leader Paul Ewing, N6PSE, said. “It is among the most challenging entities to activate due to significant transportation costs and personal sacrifices required by the team to make the 42-day round trip. Fortunately, Bouvet is not our first mountain.”

Ewing reports that Mike Crownover, AB5EB, a veteran emergency room physician, has joined the 3Y0J DXpedition team to pair with ER doctor Bill Straw, KO7SS, and bringing the team total to 15. The DXpedition is set for January – February 2023, but the planning stage to activate the second-most-wanted DXCC entity is well under way, with the team researching polar quality tents and equipment and discussing antenna specifications with various manufacturers.

“We will make careful choices to help us meet the demand for Bouvet contacts,” Ewing said. The 3Y0J team has set a goal of making at least 100,000 contacts from Bouvet. Follow the DXpedition plans from the DXpedition [website](#) and [Facebook page](#).

Russian Robinson Club Announces Activation of Rare IOTA Islands in the Aleutians

05/03/2021

The Russian Robinson Club ([RRC](#)) has resumed its plans to activate rare Kiska Island (IOTA NA-070) and Adak Island (IOTA NA-039) in Alaska’s Aleutian Islands chain in July for Islands on the Air ([IOTA](#)) enthusiasts. Plans to activate these islands in 2020 were called off because of COVID-19 concerns.

The uninhabited Kiska Island (52.06° N, 177.57° E) lies in the North Pacific’s treacherous Bering Sea, which RRC calls one of the most intense patches of ocean on Earth and where strong winds, freezing temperatures, and icy water are the norm. The island also features the prominent conical Kiska volcano. Kiska Island is a National Historic Landmark and part of the Aleutian Islands World War II National Monument and the Alaska Maritime National Wildlife Refuge (AMNWR). Permission to visit is required from both Alaska’s Maritime National Wildlife Refuge and the US Fish and Wildlife Service.

The KL7RRC team plans to have a minimum of two stations on the air on 40 – 6 meters, SSB, CW, and FT8. Operators will place special emphasis on the difficult trans-polar path to Europe. (<http://www.arrl.org/news/russian-robinson-club-announces-activation-of-rare-iota-islands-in-the-aleutians>)

ARISS-USA Seeks Volunteers to Further its Mission

04/29/2021

The US segment of Amateur Radio on the International Space Station ([ARISS-USA](#)) is seeking volunteers to support its mission. ARISS-USA is best known for providing opportunities, mostly for students, to speak via ham radio with astronauts on board the ISS. Less known is its important role in providing and supporting amateur radio equipment for the ISS (NA1SS), which could offer back-up communication in an emergency. Its primary objective is educational — to inspire, teach, and engage youth and communities in science, technology, engineering, arts, and mathematics via amateur radio.

“We are seeking knowledgeable and enthusiastic volunteers who can work effectively as part of a team to support a variety of functions and roles,” said ARISS-USA Executive Director Frank Bauer, KA3HDO. “We have volunteer openings in several senior leadership roles, including Associate Director, Treasurer, Secretary, Director of Business Development, Director of Volunteer Resources, Director of Public Engagement, and Director of Engineering.” ARISS also has volunteer opportunities to support functions within those roles, as well as openings within the ARISS-USA Operations, Engineering and Education teams. An amateur radio license is desirable.

Details on responsibilities for these positions are contained in the ARISS-USA [Bylaws](#) (see Articles V and VIII). Candidates accepted into senior leadership positions will be required to serve a 6-month probationary period. All candidates for senior leadership positions must be US citizens.

Submit resume or CV with a cover letter explaining what position(s) you are interested in supporting.

ARISS-USA is an Equal Opportunity Organization and will not discriminate on the basis of gender identity, age, race, color, national origin, religion, physical handicap, disability, or any other legally protected status. In the US, **ARISS** sponsors include ARRL, AMSAT, NASA, the ISS National Lab-Space Station Explorers, and NASA's Space Communications and Navigation program.

ARISS-USA, is a 501(c)(3) charitable, educational, and scientific non-profit incorporated in the State of Maryland. (<http://www.arrl.org/news/ariss-usa-seeks-volunteers-to-further-its-mission>)

Upcoming Contest <https://www.contestcalendar.com/contestcal.html>

May 2021

+ Araucaria World Wide VHF Contest	0000Z, May 1 to 1600Z, May 2
+ 10-10 Int. Spring Contest, CW	0001Z, May 1 to 2359Z, May 2
+ RCC Cup	0300Z-0859Z, May 1
+ SBMS 2.3 GHz and Up Contest and Club Challenge	0600 local, May 1 to 2359 local, May 2
+ Microwave Spring Sprint	0800-1400 local, May 1
+ F9AA Cup, Digi	1200Z, May 1 to 1200Z, May 2
+ ARI International DX Contest	1200Z, May 1 to 1159Z, May 2
+ 7th Call Area QSO Party	1300Z, May 1 to 0700Z, May 2
+ AGCW QRP/QRP Party	1300Z-1900Z, May 1
+ Indiana QSO Party	1500Z, May 1 to 0300Z, May 2
+ FISTS Saturday Sprint	1600Z-1800Z, May 1
+ Delaware QSO Party	1700Z, May 1 to 2359Z, May 2
+ New England QSO Party	2000Z, May 1 to 0500Z, May 2 and 1300Z-2400Z, May 2
+ K1USN Slow Speed Test	0000Z-0100Z, May 3
+ OK1WC Memorial	1630Z-1729Z, May 3
+ Worldwide Sideband Activity Contest	0100Z-0159Z, May 4
+ ARS Spartan Sprint	0100Z-0300Z, May 4
+ RTTYOPS Weeksprint	1700Z-1900Z, May 4
+ MIE 33 Contest	2300Z, May 4 to 0300Z, May 5
+ Phone Weekly Test - Fray	0230Z-0300Z, May 5
+ CWops Mini-CWT Test	1300Z-1400Z, May 5
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, May 5
+ CWops Mini-CWT Test	1900Z-2000Z, May 5
+ RSGB FT4 Contest Series	1900Z-2030Z, May 5
+ Walk for the Bacon QRP Contest	0000Z-0100Z, May 6 and 0200Z-0300Z, May 7
+ CWops Mini-CWT Test	0300Z-0400Z, May 6
+ NRAU 10m Activity Contest	1700Z-1800Z, May 6 (CW) and 1800Z-1900Z, May 6 (SSB) and 1900Z-2000Z, May 6 (FM) and 2000Z-2100Z, May 6 (Dig)
+ RTTYOPS Weeksprint	1700Z-1900Z, May 6
+ EACW Meeting	1900Z-2000Z, May 6
+ SKCC Sprint Europe	1900Z-2100Z, May 6
+ NCCC RTTY Sprint	0145Z-0215Z, May 7
+ NCCC Sprint	0230Z-0300Z, May 7
+ K1USN Slow Speed Test	2000Z-2100Z, May 7
+ SARL VHF/UHF Digital Contest	0500Z-0700Z, May 8 (6m) and 0700Z-0900Z, May 8 (2m) and 0900Z-1100Z, May 8 (70cm) and 0500Z-0700Z, May 9 (6m) and 0700Z-0900Z, May 9 (2m) and 0900Z-1100Z, May 9 (70cm)
+ SKCC Weekend Sprintathon	1200Z, May 8 to 2400Z, May 9
+ VOLTA WW RTTY Contest	1200Z, May 8 to 1200Z, May 9

+ CQ-M International DX Contest	1200Z, May 8 to 1159Z, May 9
+ Arkansas QSO Party	1400Z, May 8 to 0200Z, May 9
+ 50 MHz Spring Sprint	2300Z, May 8 to 0300Z, May 9
+ WAB 7 MHz Phone	1000Z-1400Z, May 9
+ K1USN Slow Speed Test	0000Z-0100Z, May 10
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, May 10
+ OK1WC Memorial	1630Z-1729Z, May 10
+ RSGB 80m Club Championship, SSB	1900Z-2030Z, May 10
+ Worldwide Sideband Activity Contest	0100Z-0159Z, May 11
+ RTTYOPS Weeksprint	1700Z-1900Z, May 11
+ Phone Weekly Test - Fray	0230Z-0300Z, May 12
+ CWops Mini-CWT Test	1300Z-1400Z, May 12
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, May 12
+ CWops Mini-CWT Test	1900Z-2000Z, May 12
+ CWops Mini-CWT Test	0300Z-0400Z, May 13
+ QRP Minimal Art Session	1600Z-2200Z, May 13
+ RTTYOPS Weeksprint	1700Z-1900Z, May 13
+ EACW Meeting	1900Z-2000Z, May 13
+ NCCC RTTY Sprint	0145Z-0215Z, May 14
+ NCCC Sprint	0230Z-0300Z, May 14
+ K1USN Slow Speed Test	2000Z-2100Z, May 14
+ NZART Sangster Shield Contest	0800Z-1100Z, May 15 and 0800Z-1100Z, May 16
+ His Maj. King of Spain Contest, CW	1200Z, May 15 to 1200Z, May 16
+ Feld Hell Sprint	1600Z-1759Z, May 15 and 2000Z-2159Z, May 15
+ FISTS Sunday Sprint	2100Z-2300Z, May 16
+ Run for the Bacon QRP Contest	2300Z, May 16 to 0100Z, May 17
+ K1USN Slow Speed Test	0000Z-0100Z, May 17
+ OK1WC Memorial	1630Z-1729Z, May 17
+ Worldwide Sideband Activity Contest	0100Z-0159Z, May 18
+ RTTYOPS Weeksprint	1700Z-1900Z, May 18
+ Phone Weekly Test - Fray	0230Z-0300Z, May 19
+ CWops Mini-CWT Test	1300Z-1400Z, May 19
+ CWops Mini-CWT Test	1900Z-2000Z, May 19
+ RSGB 80m Club Championship, Data	1900Z-2030Z, May 19
+ NAQCC CW Sprint	0030Z-0230Z, May 20
+ CWops Mini-CWT Test	0300Z-0400Z, May 20
+ RTTYOPS Weeksprint	1700Z-1900Z, May 20
+ EACW Meeting	1900Z-2000Z, May 20
+ NCCC RTTY Sprint	0145Z-0215Z, May 21
+ NCCC Sprint	0230Z-0300Z, May 21
+ K1USN Slow Speed Test	2000Z-2100Z, May 21
+ YOTA Contest	0800Z-1959Z, May 22
+ Hamvention QSO Party	1200Z-2400Z, May 22
+ EU PSK DX Contest	1200Z, May 22 to 1200Z, May 23
+ Baltic Contest	2100Z, May 22 to 0200Z, May 23
+ K1USN Slow Speed Test	0000Z-0100Z, May 24
+ QRP ARCI Hootowl Sprint	0000Z-0100Z, May 24
+ OK1WC Memorial	1630Z-1729Z, May 24

+ Worldwide Sideband Activity Contest	0100Z-0159Z, May 25
+ RTTYOPS Weeksprint	1700Z-1900Z, May 25
+ SKCC Sprint	0000Z-0200Z, May 26
+ Phone Weekly Test - Fray	0230Z-0300Z, May 26
+ CWops Mini-CWT Test	1300Z-1400Z, May 26
+ CWops Mini-CWT Test	1900Z-2000Z, May 26
+ CWops Mini-CWT Test	0300Z-0400Z, May 27
+ RTTYOPS Weeksprint	1700Z-1900Z, May 27
+ EACW Meeting	1900Z-2000Z, May 27
+ RSGB 80m Club Championship, CW	1900Z-2030Z, May 27
+ NCCC RTTY Sprint	0145Z-0215Z, May 28
+ NCCC Sprint	0230Z-0300Z, May 28
+ K1USN Slow Speed Test	2000Z-2100Z, May 28
+ Feld Hell Sprint	0000Z-2359Z, May 29
+ CQ WW WPX Contest, CW	0000Z, May 29 to 2359Z, May 30
+ Day of the YLs Contest	0001Z, May 29 to 2359Z, May30
+ K1USN Slow Speed Test	0000Z-0100Z, May 31
+ QCX Challenge	1300Z-1400Z, May 31
+ OK1WC Memorial	1630Z-1729Z, May 31
+ QCX Challenge	1900Z-2000Z, May 31



Geez Grandpa! It's not that hard! Go to the Icom website, download and install the latest USB driver, THEN plug in the cable. Download and install WSJT-X, JTAlert, Meinberg, and LOG4OM. Fire it all up and start making some nice FT8 contacts

